International Journal of Mineral Processing, 38 (1993) 305–306
Elsevier Science Publishers B.V., Amsterdam

Contents Volume 38 (1993)

Obituary Ugo Preti (1937–1992), by G. Ferrara v

Review

Surface spectroscopic techniques applied to the study of mineral processing
A.M. Marabini, G. Contini and C. Cozza 1

Research papers

Parameter and configuration optimization of flotation circuits, part I. A review of prior work
J.C. Yingling 21

Parameter and configuration optimization of flotation circuits, part II. A new approach
J.C. Yingling 41

The slip of a single particle on the inside of a rotating cylinder. Part 1. Theoretical analysis
M.B. Nates, G.N. Nurick and B.D. Reddy 67

The slip of a single particle on the inside of a rotating cylinder. Part 2. Experimental investigation
M.B. Nates, G.N. Nurick and B.D. Reddy 81

SIMS and SIMS imaging studies of adsorbed dialkyl dithiophosphinates on PbS crystal surfaces
J.S. Brinen, S. Greenhouse, D.R. Nagaraj and J. Lee 93

Extraction of potassium from glauconitic sandstone by the roast–leach method
A.K. Mazumder, T. Sharma and T.C. Rao 111

Dielectrical analysis of xanthate adsorption on galena in the presence of dextrin
J. Bessière and A. Etahiri 125

Selective separation of arsenopyrite from an auriferous pyrite concentrate by sulphonate flotation
K.A. Kydros, K.A. Matis, I.N. Papadoyannis and P. Mavros 141

Book reviews

Extractive Metallurgy of Vanadium, by C.K. Gupta and N. Krishnamurthy – M.R. Thomber 153

Flotation of Sulphide Minerals 1990, by K.S.E. Forssberg (Editor) – J. Mielczarski 154

Research Papers

Influence of grinding method on complex sulphide ore flotation: a pilot plant study
K.S.E. Forssberg, T.V. Subrahmanyam and L.K. Nilsson 157

Floatability of apatites of different type and origin: role of surface area and porosity
K. Zhong, T.V. Vasudevan and P. Somasundaran 177

The role of changing surface mineralogy on the separation of phosphatic clay waste
J.B. Andersen and P. Somasundaran 189

The competitive adsorption of cyanide and ethyl xanthate on pyrite and pyrrhotite

surfaces
C.A. Prestidge, J. Ralston and R.S.C. Smart 205
Flotation of carbonates from phosphate ores in acidic media
D.A. Elgillani and A.-Z.M. Abouzeid 235
Carbon adsorption and leaching of gold by acid thiourea
R. Schmidt, S.A. Moya, J.E. Foerster and A.R. Varela 257
Interaction between finely ground pyrite and potassium amylxanthate in flotation: 1. Influence of alkaline grinding
J.M. Cases, M. Kongolo, P. de Donato, L.J. Michot and R. Erre 267

Announcements 301

Contents Volume 38 305